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500.25179CP5

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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10/04/04 66
01/09/02

Applicants: S. TANABE, et al

Serial No.: Not assigned

Filed: January 9, 2002

For: PACKET SWITCHING SYSTEM HAVING SELF-ROUTING SWITCHES

Group: Not assigned

Examiner: Not assigned

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.97 & 1.98**

Assistant Commissioner
for Patents
Washington, D.C. 20231

January 9, 2002

Sir:

In the matter of the above-identified application, this Information Disclosure Statement is being submitted with the following citation as specified in 37 CFR §1.97(d).

"A copy of any patent, publication or other information listed in an Information Disclosure Statement is not required to be provided if it was previously cited by or submitted to the Office in a prior application, provided that the prior application is properly identified in the statement and relied upon for an earlier filing date under 35 U.S.C. §120."

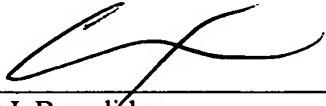
Applicant(s) are submitting herewith a copy of Form PTO-1449 which list documents cited in parent application(s) Serial No. 09/340,139, filed June 28, 1999; which is a continuation of application Serial No. 08/838,950, filed April 23, 1997, now U.S. Patent No. 5,999,537; which is a continuation of application Serial No. 08/438,959, filed May 11, 1995, now U.S. Patent No. 6,005,867; which is a continuation of application Serial No. 07/645,491, filed January 24, 1991,

now U.S. Patent No. 5,740,156; which is a continuation-in-part of application Serial No. 07/096,011, filed September 14, 1987, now U.S. Patent No. 5,043,979 and related application Serial No. 09/373,596, filed August 13, 1999; Serial No. 09/373,599, filed August 13, 1999; Serial No. 09/467,213, December 20, 1999; Serial No. 07/654,590, filed February 13, 1991, now U.S. Patent No. 5,513,177; Serial No. 08/435,961, filed May 5, 1995; and Serial No. 08/435,960, filed May 5, 1995.

It is respectfully requested that this information disclosure statement be considered by the Examiner.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of Antonelli, Terry, Stout & Kraus Deposit Account No. 01-2135 (500.25179CP5) please credit any excess fees to such deposit account.

Respectfully submitted,



Carl I. Brundidge
Registration No. 29,621
ANTONELLI, TERRY, STOUT & KRAUS, LLP

CIB/jdc
(703) 312-6600

FORM PTO-1449 U.S. Department of Commerce(Rev. 4/92) Patent and Trademark Office	ATTY. DOCKET NO. 500.25179CP5	SERIAL NO. Not assigned
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT TANABE, et al
(Use several sheets if necessary)		FILING DATE January 9, 2002
		GROUP Not assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4	5	6	9	0	4	1	2/86	Takeuchi et al			
		4	7	0	7	8	2	6	11/87	Froggatt			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT		
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		6	1	1	9	6	6	4	3	8/86	Japan				XX
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		5	5	3	1	3	3	4		3/80	Japan				XX
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		6	2	1	3	9	4	9	5	6/87	Japan				XX
		5	7	1	0	3	4	8	9	6/82	Japan				XX
		5	8	3	8	0	9	4		3/83	Japan			Eng. Abst.	
		6	1	1	8	7	4	9	7	8/86	Japan				XX

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YES	NO
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	H. Suzuki, et al, "A Study on the Configuration of the SCPS System", C&C Systems Research Labs, Integrated Switching Development Div. NEC Corporation, pp. 49-54.
	T. Takeuchi et al, "A New Switching System Architecture for ISDN Environment Synchronous Composite Packet Switching" Links for the Future, May 1984, pp. 38-41.
	H. Niwa et al, "Synchronous Composite Packet Switching for Broadband ISDN" C&C Systems Research Laboratories NEC Corporation, June 1986, pp. 1715-1719.
	H. Suzuki, et al, "Very High Speed and High Capacity Packet Switching for Broadband ISDN" C&C Systems Research Laboratories NEC Corporation, June 1986, pp. 749-754.
	T. Yamaguchi, "Synchronous Composite Packet Switching", C&C Systems Research Laboratories, NEC Corporation.

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(Form PTO-1449 [6-4])

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<input type="checkbox"/>	YES	NO
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	S. Morita, et al, "Elastic Basket Switching - A New Integrated Switching System for Voice and High-Speed Burst Data", IEEE, 1987, p. B711-3.
	T. Takeuchi et al, "Synchronous Composite Packet Switching for ISDN Switching System Architecture", ISS, May 7-11, 1984, Florence.
	A.K. Elhakeem, et al, "Analysis of a Hybrid (Demand Assignment IDMA) Protocol for Video Teleconferencing Voice Data Optical Networks", Computer Networks and ISDN Systems, March 1986, vol. 11, No. 3, pp. 219-241.
	R.W. Muisse et al, "Experiments in Wideband Packet Technology", International Zurich Seminar on Digital Communications, March 1986, Session D4, pp. 1-5.
	S. Gohara, et al, "A New Distributed Switching System Architecture for Media Integration" IEEE Int'l Conference on Communications Sound, June 7-10, 1987, Session, '11, paper 4, pp. 373-377.
	E. Gerretti and R. Melen, "An Experimental ATM Switching Architecture for the Evolving B-ISDN Scenario", May 27-June 1, 1990, pp. 15-20.
	S. Tanabe et al, "A New Distributed Switching System Architecture for B-IDSN", October 1990.
	K. Suzuki, "A Study on the Architecture of the ATM Switching Network", 1989, pp. 37-42.
	Y. Sakurai et al, "Asynchronous Transfer Mode Technology for Broadband ISDN", No. 29, 1990, Denshi Tokyo.
	Digital Switching Method, March 15, 1986.
	S. Takatsuka et al, "An Input Output Shared Buffer ATM Switch LSI, LSI Design Methodology with Higher Performance", B-462, 1991.
	An Experimental Synchronous Composite Packet Switching System, by Takeuchi et al, Swiss Federal Institute of Technology Proceedings, pp. 149-152, 3/86.
	H. Yamanaka, "A High Speed ATM Switch Architecture Based on Multiple Shared Buffer Memories", B-467, Communication Systems Development Laboratory, Mitsubishi Electric Corporation.

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		5	7	3	4	6	5	5						
		5	5	4	1	9	1	7	3/98	Sakurai et al	370	396		
		0	2	9	2	9	6	2	7/96	Farris	370	395		

FOREIGN PATENT DOCUMENTS

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		0	2	9	2	9	6	2					YES	NO
		0	2	9	2	9	6	2	11/88	European				

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	An Experimental Synchronous Composite Packet Switching System, by Takeuchi et al, Swiss Federal Institute of Technology Proceedings, pp. 149-152, 3/86.

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		4	4	9	4	9	3	0	1/85		Turner				
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		4	5	1	6	2	3	8	5/85	Huang et al	370	60			
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	3	8	9	0	4	6	9	6/75		Kelly et al				
	4	5	5	8	4	4	4	12/85	Kennedy et al	370	63			
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	4	7	5	4	4	5	1	6/88	Eng et al	370	60			
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	4	4	8	6	8	7	5	12/84	Kelleher	369	170			
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	4	9	5	6	8	3	9	9/90	Torri et al	370	60	
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	4	3	2	2	8	4	3	3/82	Beuscher et al	370	60	
	4	6	8	6	7	0	1	8/87	Ahmad et al	379	269	2/7/85
	4	3	4	5	3	2	4	8/82	Smitt	370	13	7/9/80
	4	1	5	2	5	4	8	5/79	Horiki	370	110.1	12/13/77
	4	0	0	9	3	4	7	2/77	Flemming et al	370	95.3	12/30/74
	4	6	8	5	1	0	4	8/87	Johnson et al	370	59	2/27/85
	4	6	4	4	5	2	9	2/87	Amstutz et al	370	60	8/2/85
	4	7	5	7	4	9	7	7/88	Deierle et al	370	85.12	12/3/86
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	4	0	5	8	6	7	2	11/77	Crager et al	370	60	11/10/76

FOREIGN PATENT DOCUMENTS

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	4	0	5	8	8	3	8	11/77	Crager et al	370	60	
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	4	7	5	1	6	9	7	6/88	Hunter et al	370	68.1	9/5/86

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